

CLAIMS

1/ A woven cloth (1) based on high-tenacity yarns, in particular
fibreglass yarns, used for reinforcing parts obtained by Resin Transfer
5 Moulding (RTM) and comprising threads (3) which are arranged in
a weft direction and are not perpendicular to the warp threads (2),

characterised in that the ratio $\frac{T_c \cdot D_c}{T_t \cdot D_t}$ ranges from 0.2 to 0.8 where:

T_c is the warp (2) thread number (linear density),
 T_t is the weft (3) thread number (linear density),
10 D_c is the number of warp threads (2) per length unit,
 D_t is the number of weft threads (3) per length unit.

2/ A woven cloth as claimed in claim 1, **characterised** in that
the inclination of the weft threads (3) relative to the warp threads (2) is
15 from 30 to 80°.

3/ A woven cloth as claimed in claim 1, **characterised** in that
the weave is of the twill type, in particular 2/2 twill.

20 4/ A reinforcing part (10) formed by at least two textile layers
as claimed in any of claims 1 to 3, placed one above the other (11, 12),
the warp threads of which (13, 14) are parallel from one layer (11) to the
other (12) and the weft threads of which (15, 16) have a symmetrical
inclination relative to the direction of the warp threads (13, 14) from one
25 layer to the other.

5/ A reinforcing part (10) as claimed in claim 4, **characterised**
in that it comprises two layers placed one above the other, each of which
has a ratio $\frac{T_c \cdot D_c}{T_t \cdot D_t}$ of 0.3 to 0.8 and preferably approximately 0.5.

6/ A reinforcing part (10) as claimed in claim 5, **characterised** in that the inclination of the weft threads (15, 16) relative to the warp threads (13, 14) is approximately 60°.

5 7/ A reinforcing part (10) as claimed in claim 4, **characterised** in that it comprises three layers placed one above the other (21, 22, 23), namely two layers (21, 23) as claimed in claim 1 having weft threads (24, 25) that are inclined relative to the warp threads (26) and one layer (22) of woven cloth based on fibreglass yarns with perpendicular warp
10 (27) and weft (28) threads, each of these layers (21, 23) having a ratio $\frac{T_c \cdot D_c}{T_t \cdot D_t}$ of 0.2 to 0.8 and preferably approximately 0.33.

8/ A reinforcing part as claimed in claim 7, **characterised** in that the weft threads (24, 25) of the inclined layers (21, 23) have an
15 inclination of approximately 45°.

9/ A reinforcing part as claimed in claim 4, **characterised** in that the layers are assembled by bonding.

20 10/ A reinforcing part as claimed in claim 9, **characterised** in that bonding is obtained using a material having the same chemical nature as that used in the moulding process.

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